

WE CLAIM:

1. An access floor assembly for installation on a sub-floor, the access floor assembly comprising:

- a plurality of elongate support members, each of said support members having a base for attachment to said sub-floor, and a head longitudinally spaced from said base;
- a plurality access floor panels, each said access floor panel defining a top planar surface and an opposed bottom planar surface, each said bottom surface being detachably connectable to the head of at least one of said support members, each of the access floor panels defining a plurality of peripheral edges for abutting a peripheral edge of a respective access floor panel; and
- a plurality of gaskets for providing an air tight seal between the peripheral edges of abutting access floor panels; each of said gaskets having first portion for attachment to one of said floor panels and a flexible and resilient sealing portion for creating a seal between the peripheral edges of the abutting access floor panels.

2. An access floor assembly according to claim 1 wherein each said access floor panel defines 4 peripheral edges.

3. An access floor assembly according to claim 2 wherein each said access floor panel is attached to four pedestals.

4. An access floor assembly according to claim 3 wherein a corner of each said access floor panel is attached to one of the four pedestals by way of a fastener.

5. An access floor assembly according to claim 1 wherein the first portion of each of said gaskets has an elongate trim portion and the resilient portion has a convex profile that is resiliently depressible into a flattened profile.

6. An access floor assembly according to claim 3 wherein each of said plurality of gaskets abuts another one of said plurality of gaskets to form an air seal when the access floor assembly is installed.

7. An access floor assembly according to claim 1 wherein each of said gaskets is integrally formed on one of said peripheral edges of one of said floor panels.
8. An access floor assembly according to claim 1 wherein each of said gaskets is adhered to one of said peripheral edges of one of said floor panels.
9. An access floor assembly according to claim 1 wherein the pedestals are formed of galvanized steel.
10. An access floor assembly according to claim 1 wherein the gaskets are formed of a flexible and resilient material.
11. An access floor assembly according to claim 1 wherein the assembly defines a plenum between said sub floor and said access floor panels when the assembly is installed.
12. An access floor panel for attachment to a pedestal of an access floor assembly, the access floor panel comprising:
 - a top planar surface and an opposed bottom planar surface, said bottom surface being detachably connectable to said pedestal, said access floor panel defining a plurality of peripheral edges; and
 - a plurality of gaskets, one said gasket being attached to each of said peripheral edges, said gaskets each having a first portion attached a respective said peripheral edge and a flexible and resilient sealing portion adapted to create a seal between said respective peripheral edge and a peripheral edge of an abutting access floor panel.
13. An access floor panel according to claim 12 wherein the first portion of said gaskets has an elongate trim portion and the resilient portion is has convex profile that is resiliently depressible into a flattened profile.
14. An access floor panel according to claim 12 wherein the access floor panel has 4 peripheral edges.

15. An access floor panel according to claim 12 wherein each of said gaskets is formed of a flexible and resilient material.

16. An access floor panel according to claim 11 wherein the access floor panel and the gasket are attached in one of an interlocking arrangement and by an adhesive.